pplicant: Wilkinson et al.
he: Using a High Levei Programming Language with a Martin Serial No. 10/037,390
Contact: Pehr B. Jansson, 512-331-3748

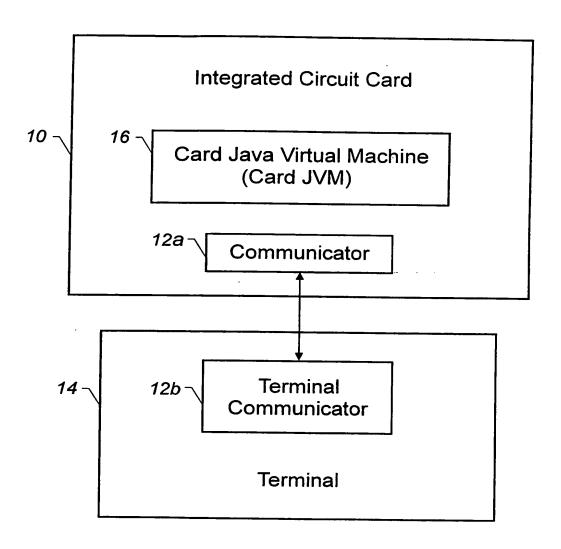


FIGURE 1

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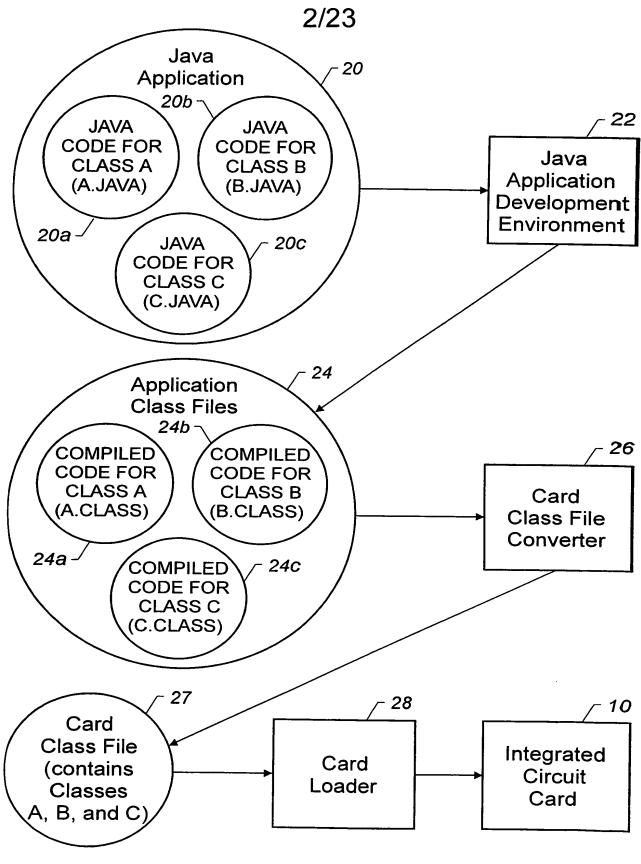


FIGURE 2

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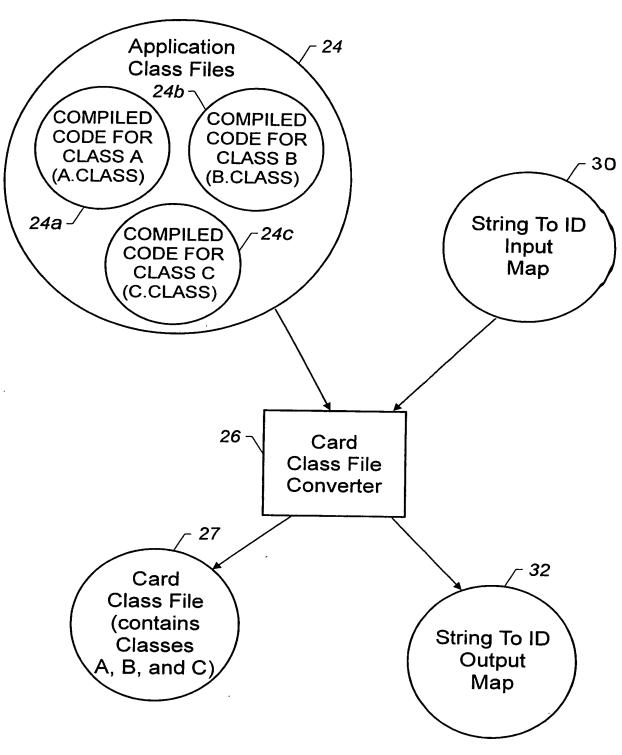


FIGURE 3

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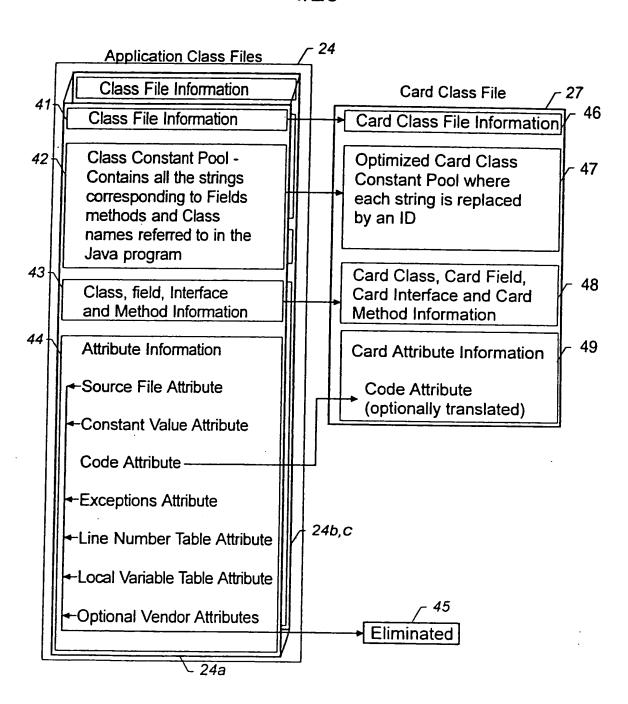
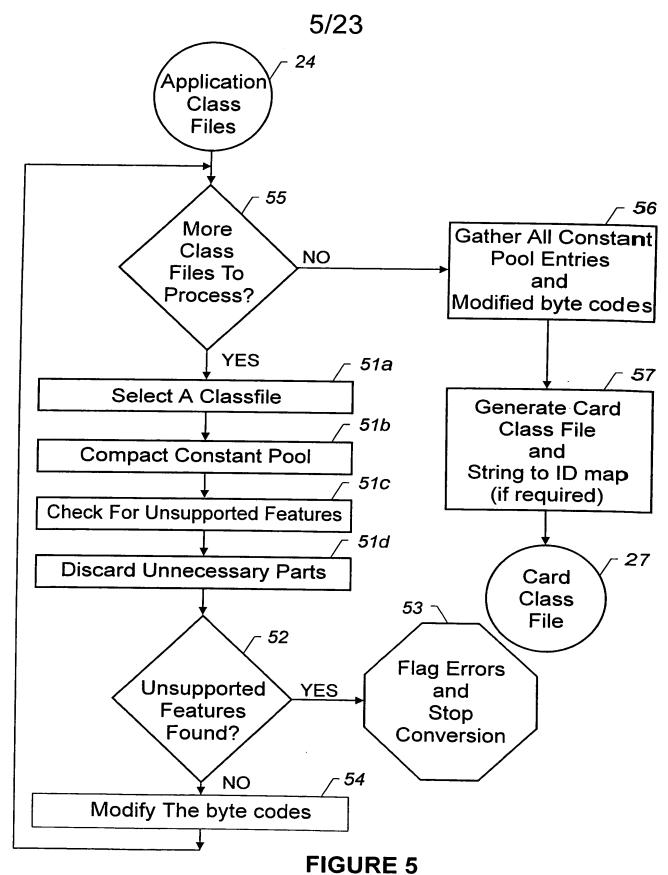


FIGURE 4

e: Using a High Level Programming Language with a Marie trolle perial No. 10/037,390

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tle: Using a High Level Programming Language with a serial No. 10/037,390

Contact: Pehr B. Jansson, 512-331-3748 6/23 Original byte codes 60 61 PASS 1: List all jumps and their destinations 62 Translate NO specific byte codes? YES 63 PASS 2: Convert specific byte codes into generic byte codes 64 PASS 3: Relink References 65 NO Modify byte codes? YES 66 PASS 4: Modify Java byte codes to Card JVM byte codes 67 PASS 5: Readjust Jumps Modified byte codes

FIGURE 6

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tle: Using a High Level Programming Language with a pontroller serial No. 10/037,390
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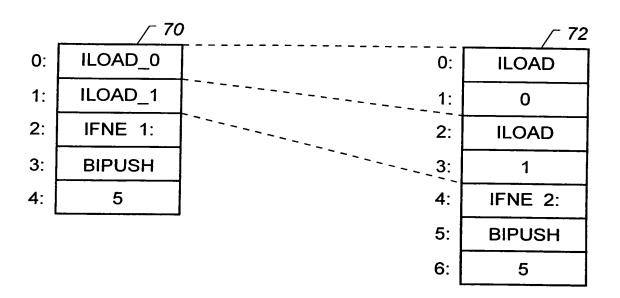


FIGURE 7

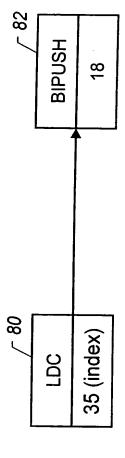
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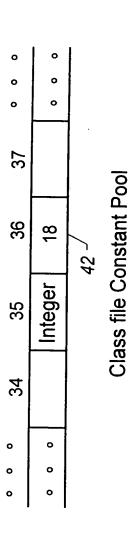


FIGURE 8

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tle: Using a High Level Programming Language with a
Serial No. 10/037,390

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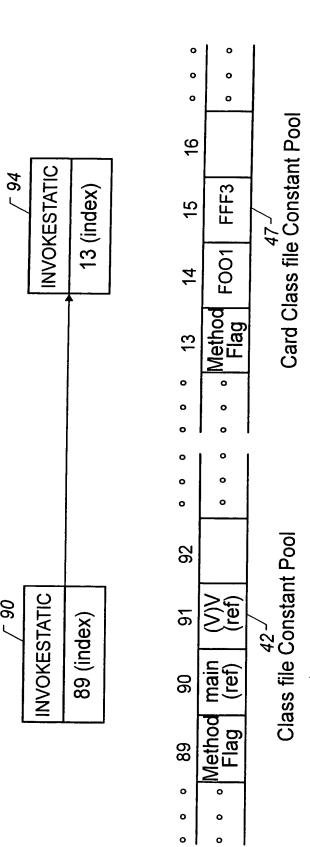


FIGURE 9

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		0
0:	ALOAD 43	
1:	0	
2:	ILOAD 21	
3:	1	
4 :	IFNE 154 2:	
5:	BIPUSH 16	
6:	5	

		2
0:	ALOAD 51	
1:	0	
2:	ILOAD 50	
3:	1	
4 :	IFNE 27 2:	
5:	BIPUSH 49	
6:	5	

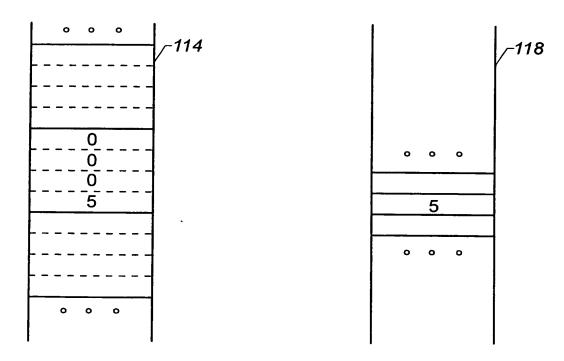
FIGURE 10

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Word-Based Operand Stack

Byte-Based Operand Stack

FIGURE 11

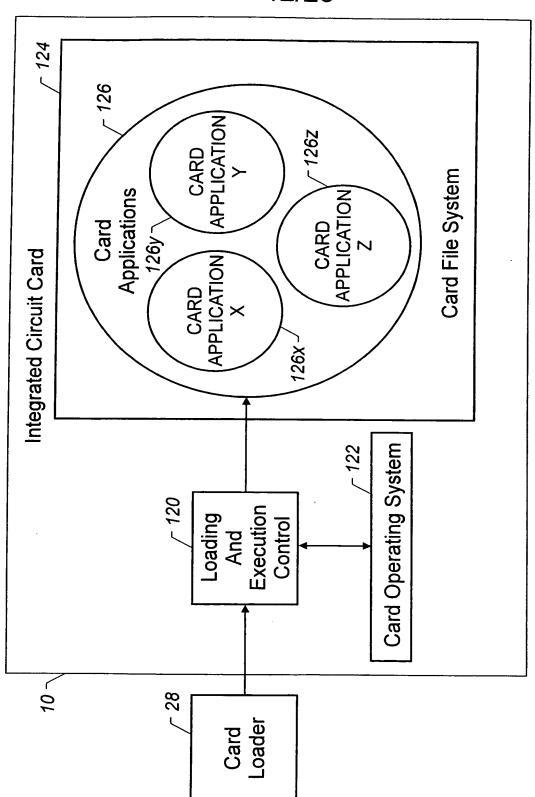
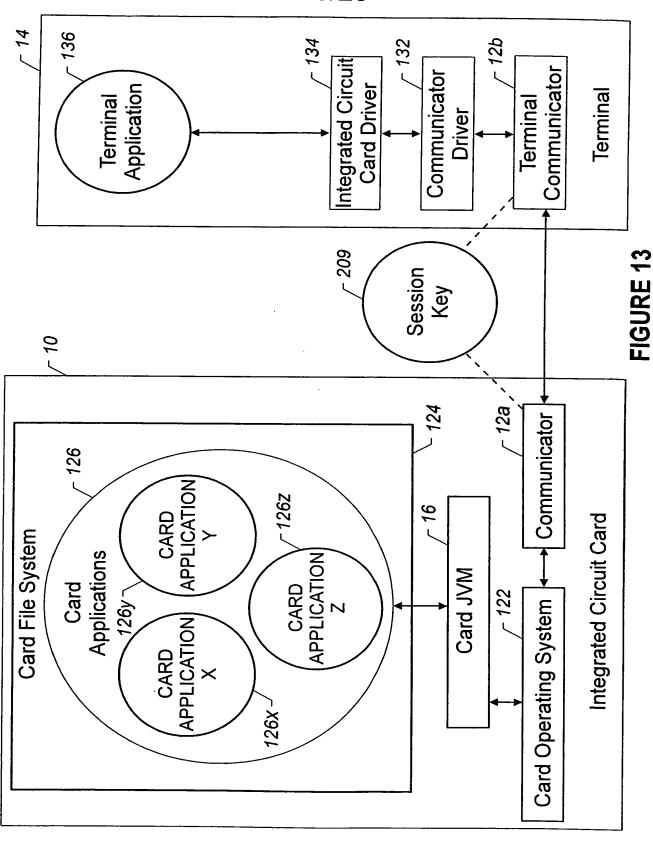


FIGURE 12

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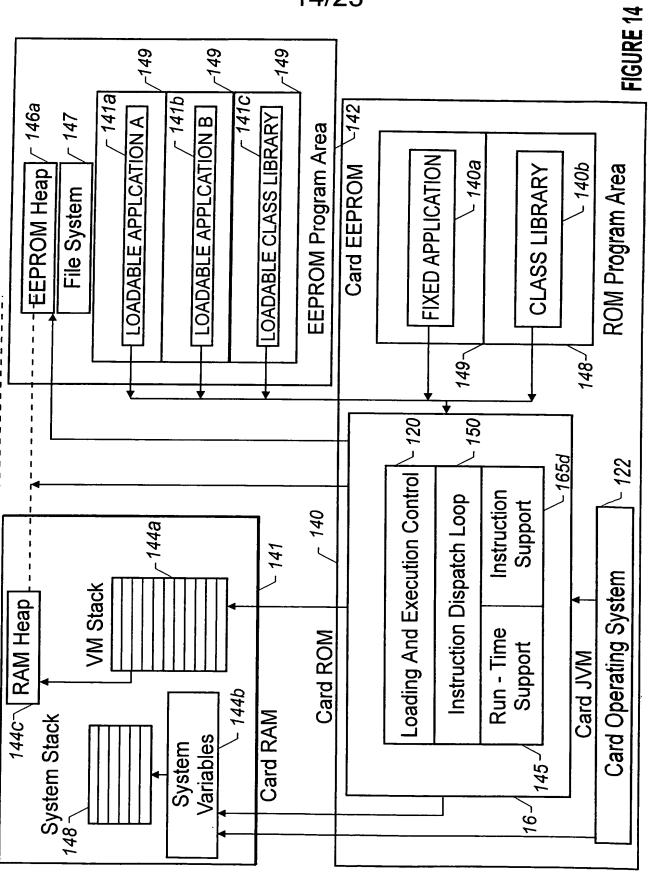
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itle: Using a High Level Programming Language with a

Serial No. 10/037,390

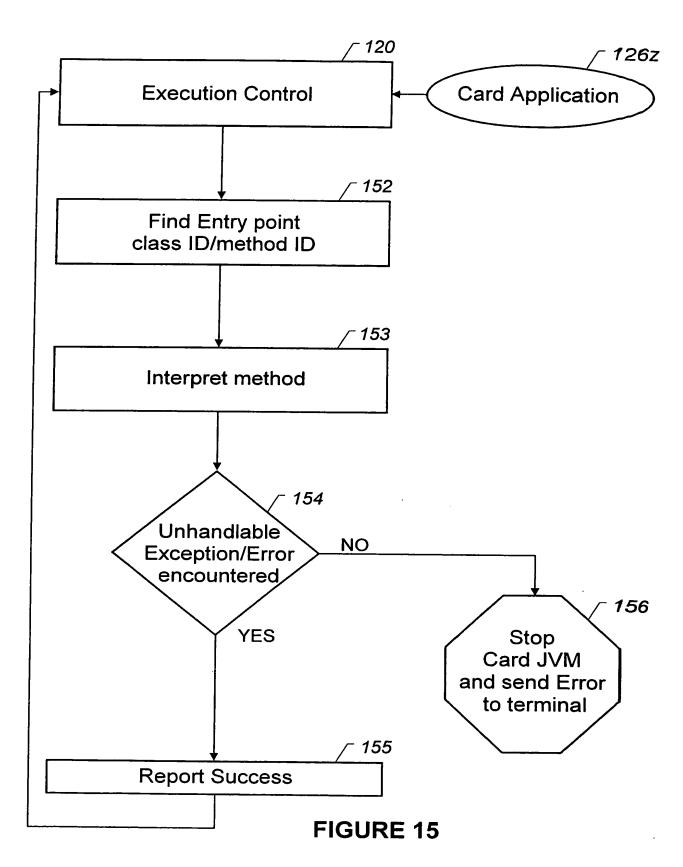
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tle: Using a High Level Programming Language with a
Serial No. 10/037,390

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Itle: Using a High Level Programming Language with a Serial No. 10/037,390

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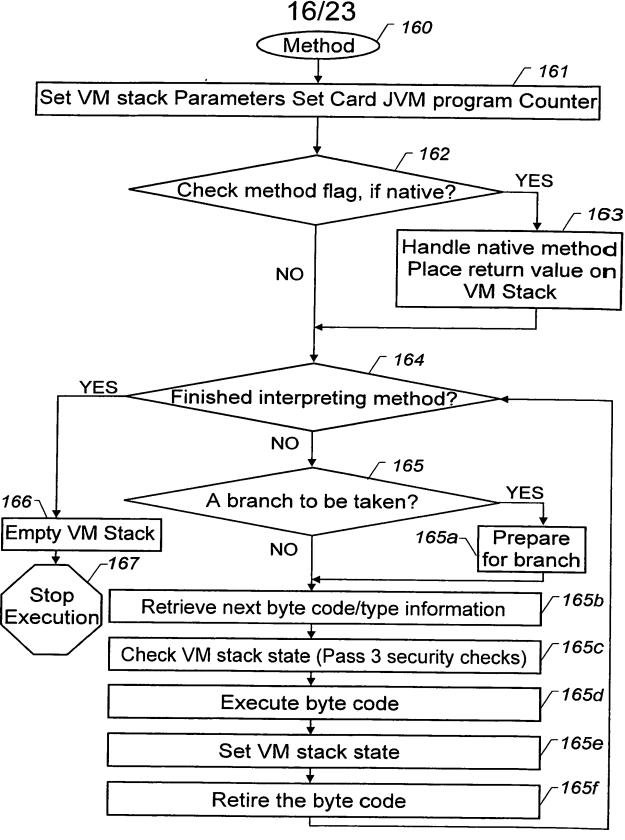


FIGURE 16

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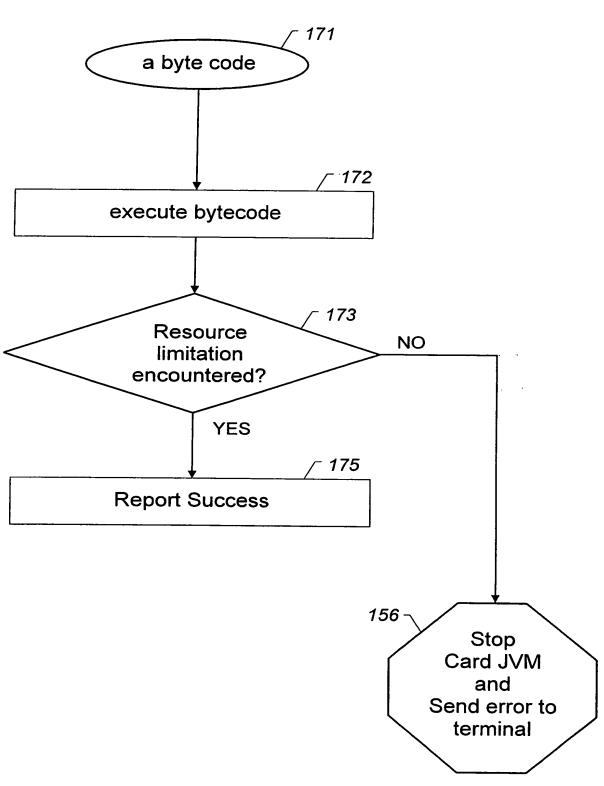


FIGURE 17

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Itle: Using a High Level Programming Language with a Serial No. 10/037,390

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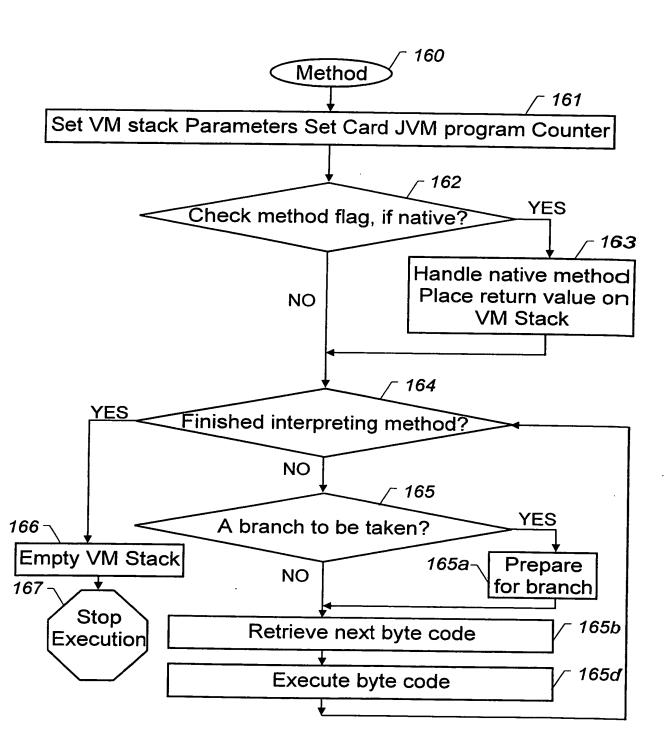


FIGURE 18

Applicant: Wilkinson et al. httle: Using a High Level Programming Language with a Serial No. 10/037,390

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ontroller

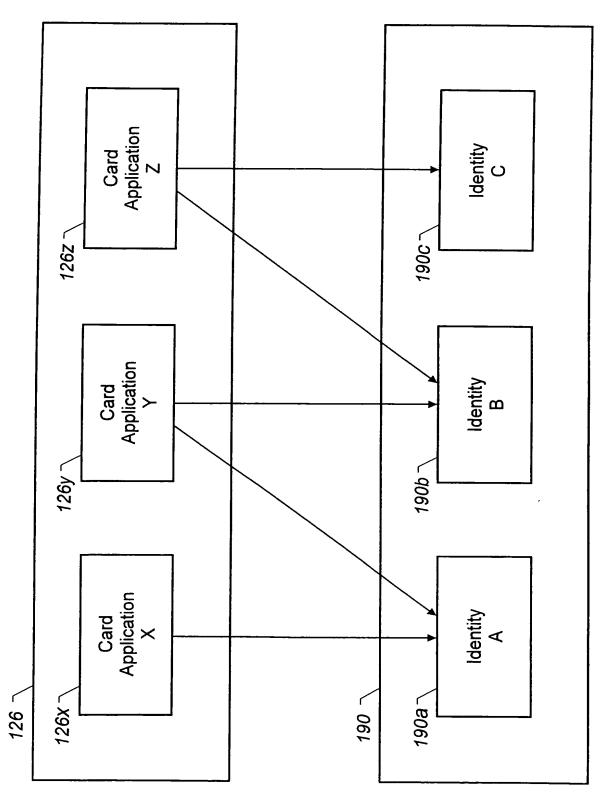


FIGURE 19

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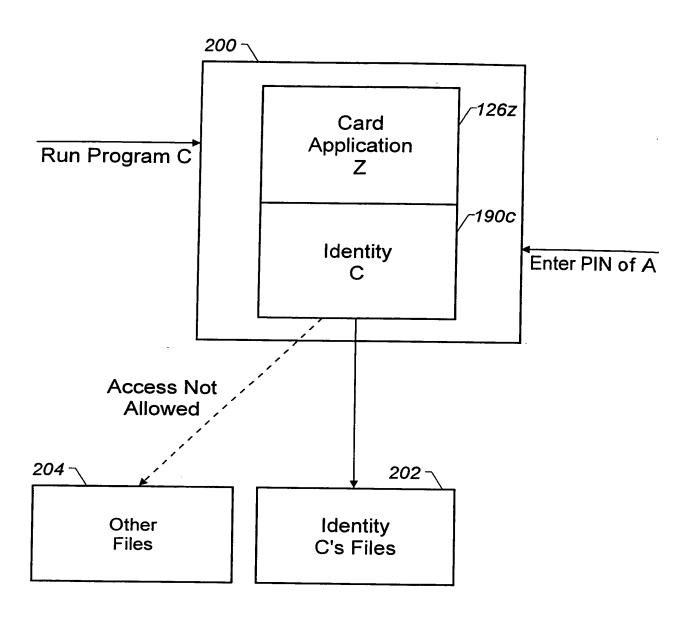


FIGURE 20

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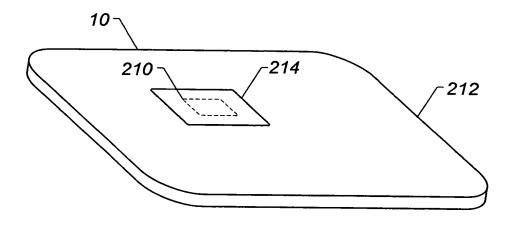
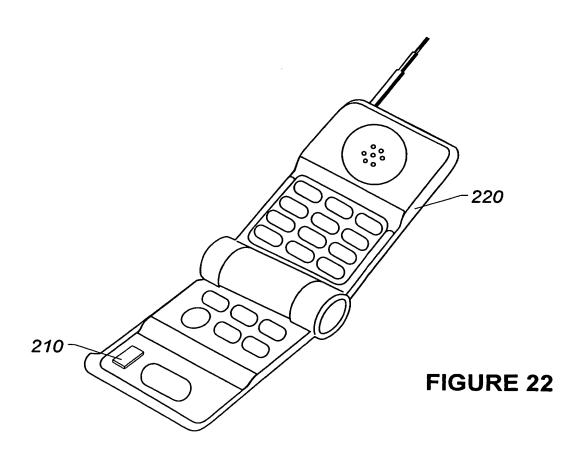


FIGURE 21



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itle: Using a High Level Programming Language with a N
Serial No. 10/037,390
Contact: Pehr B. Jansson, 512-331-3748

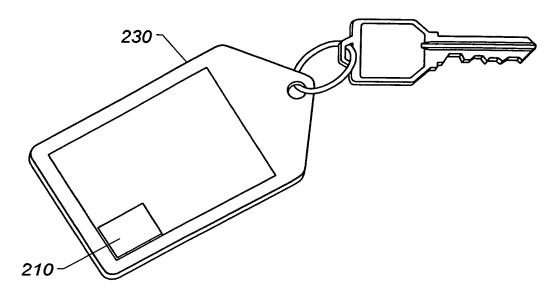


FIGURE 23

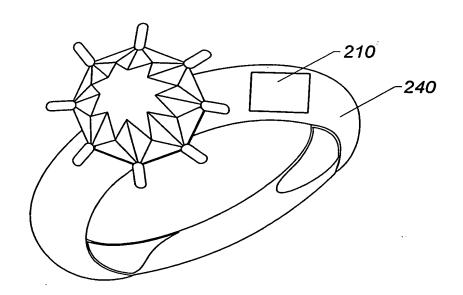


FIGURE 24

Applicant: Wilkinson et al. itle: Using a High Level Programming Language with a Serial No. 10/037,390 Contact: Pehr B. Jansson, 512-331-3748

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ontroller

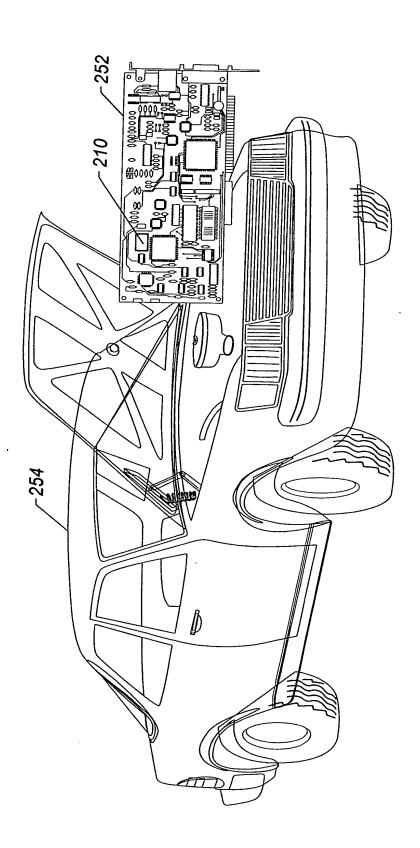


FIGURE 25